CONTENTS

Vol. 138, No. 1, September 1982

Morphometrical analysis of cardiac hypertrophy: left ventricular shape and number of muscle-fiber layers across left ventricular wall. *F. Tezuka* 1

The role of circulating immune-complex in pregnancy. *M. Kuramoto, K. Okamura, Y. Hamazaki, K. Furukawa and M. Suzuki* 7

Significance of prednisolone administration for hepatic mitochondrial function of the rat with biliary obstruction. *K. Koyama, T. Otowa, H. Yamauchi, K. Okabe and T. Sato* 17

Cardiovascular effects of hypotension induced by adenosine triphosphate and sodium nitroprusside on dogs with denervated hearts. *Y. Hashimoto, B.M. Rigor and J.A. Moreno* 27

Peripheral neuropathy in selectively-inbred spontaneously diabetic rats: electrophysiological, morphometrical and freeze-replica studies. *S. Yagihashi, A. Tonosaki, K. Yamada, M. Kakizaki and Y. Goto* 39

Postischemic liver damage in rats: amino acid analysis and morphometric studies. *H. Yamauchi, U. Mittmann, H.P. Geisen and M. Salzer* 49

Postischemic liver damage in rats: effect of some therapeutic interventions on survival rate. *H. Yamauchi, I. Baca, U. Mittmann, H.P. Geisen and M. Salzer* 63

Profile of blood coagulation and fibrinolysis in chronic myeloproliferative disorders. *H. Takahashi, A. Hattori and A. Shibata* 71

Biphasic change in human peripheral vascular resistance produced by carnigen®. *N. Iwatsuki, K. Amaha and Y. Koga* 81

Urethral responses during selective electrostimulation of lumbosacral spinal nerve roots in the female spinal dog. *D. Watanachote* 87

Inhibitory effect of pancreatic elastase on thickening of the renal glomerular basement membrane in the spontaneously diabetic rat. *S. Oikawa, M. Kakizaki and Y. Goto* 103

The effects of postoperative radiotherapy in cases of invasive carcinoma of the uterine cervix. *S. Sato, A. Yajima, R. Yamauchi, H. Sakahira, T. Wakisaka, T. Mori, M. Suzuki and A. Kikuchi* 111

Short Reports

Persistent nephrotic syndrome and focal glomerular sclerosis produced in rats by aminonucleoside and protamine. *T. Saito, K. Yamakage, T. Furuyama and K. Yoshinaga* 117

Obstruction of the inferior vena cava in the hepatic portion and hepatocellular carcinoma. *S. Nakamura and Y. Takezawa* 119

Vol. 138, No. 2, October 1982

Diagnosis of submucosal tumors by injecting a water soluble contrast medium: basic research and imaging of tumors. *S. Asaki, S. Hatori, S. Iwai, T. Nishimura, A. Sato and Y. Goto* 121

Effect of phospholipids on lipase activity in rat arterial wall homogenate. *K. Shirai, N. Matsuoka, Y. Saito and A. Kumagai* 131

T cell-mediated cytotoxicity against HBsAg-coated Chang cells in patients with chronic hepatitis: evidence for cytotoxicity mediated by delayed hypersensitivity T cell reaction. *A. Nonomura, K. Ohmori, G. Ohta, Y. Kato, K. Kobayashi, I. Nishimura and G. Sugioka* 139

Carboquone therapy for hematologic neoplasms. *Y. Uzuka, Y. Saito, H. Takahashi and M. Komatsu* 151

Immunochemotherapy for advanced bladder cancer using FT-207, adriamycin and OK-432. *T. Mishina, H. Watanabe, T. Fujiwara, T. Kobayashi, M. Maegawa, M. Nakao and S. Nakagawa* 161

Stimulation of 1,25-dihydroxyvitamin D production by parathyroid hormone and dibutyryl 3′,5′-cyclic AMP in normal subjects, hypoparathyroidism and pseudohypoparathyroidism. *H. Unakami, Y. Furukawa, H.E. Sohn, S. Yumita, R. Miura, K. Hanew and K. Yoshinaga* 167

Further observation on empyema after resection of bronchogenic carcinoma and survival. *K. Sekiguchi* 177

Remission of insulin resistant diabetes in two patients with anti-insulin receptor antibodies. *T. Toyota, H. Suzuki, H. Sugawara, M. Umezu, H. Fujiya, S. Suzuki and Y. Goto* 187

Delayed neurotoxicity resulting from administration of leptophos to the comb of domestic fowl. *T. Yamauchi, N. Konno and H. Kinebuchi* 199

Long-term follow-up of patients who have undergone valve replacements for acquired valvular disease: a clinical and hemodynamic study. *K. Tabayashi, Y. Kagawa, Y. Abe, A. Yokoyama, H. Onodera and T. Horiuchi* 209

Chronic photosensitive dermatitis due to phenothiazines. *W. Torinuki, N. Kumai and T. Miura* 223

Probable atherogenic role of zinc and copper as studied in chronic hemodialysis patients. *S. Okuyama, H. Mishina, K. Hasegawa, N. Nakano and K. Ise* 227

Effect of aging on lipid and carnitine metabolism. *M. Maebashi, A. Imamura and K. Yoshinaga* 231

Short Report

Serological markers of hepatitis A and B virus infection in university students. *S. Nakamura* 237

Vol. 138, No. 3, November 1982

Mass survey of gastric cancer and leukemia in Miyagi Prefecture, Japan. *M. Sakka, S. Hisamichi, A. Takano, T. Hashizume, N. Sasano and Y. Uzuka* 239

Protein from macrophages inhibiting polymerization of actin. *Y. Wada and N. Tatsumi* 245

Metabolic changes in scaly lesions of rat skin produced by essential fatty acid deficiency. *M. Takahashi, T. Sato and T. Akino* 261

Gossypol as oral contraceptive for male: trial case report. *H. Hoshiai, S. Uehara, R. Mori, F. Nagaike, A. Tsuiki and M. Suzuki* 275

A new type of hypermethioninemia in neonates. *A. Tsuchiyama, K. Oyanagi, F. Nakata, N. Uetsuji, S. Tsugawa, T. Nakao and M. Mori* 281

A new modified catheter for voiding cystourethrography. *S. Tsuchida, T. Harada, O. Nishizawa, N. Koinuma, S. Matsuo and H. Noto* 289

Quantitative assessment of water content of human lung: a study on open lung biopsy specimen. *K. Ohkuda, T. Ohnuki, K. Koike, S. Nitta and T. Nakada* 299

Effects of irradiation on the pulmonary vascular fluid and protein exchange. *K. Ohkuda, Y. Abe, T. Ohnuki, K. Koike, S. Watanabe, S. Nitta and T. Nakada* 309

Somatostatin-28-like immunoreactivity in the stomach. *S. Ito, Y. Yamada, T. Suzuki and A. Shibata* 313

Insulin-receptor autoantibody detected by the human placental membrane method: six patients with insulin-receptor autoantibody in Japan. *Y. Omori, S. Minei, M. Saito and Y. Hirata* 319

Blastogenic factor production by guinea pig B lymphocytes stimulated with thymus-dependent antigen. *C. Hiramine and K. Hojo* 329

Vol. 138, No. 4, December 1982

Relationship between complement-fixing (hemolytic) antibodies to single-stranded and double-stranded DNA and the prognosis in systemic lupus erythematosus. *T. Sasaki, T. Kadono, F. Endo, Y. Sekiguchi, T. Saito, M. Arakawa, T. Furuyama and K. Yoshinaga* 341

Diagnosis of submucosal tumors by injecting a water soluble contrast medium: diagnosis of tumors and clinical presumption of their development patterns. *S. Asaki, S. Hatori, M. Sato, T. Nishimura, A. Sato and Y. Goto* 357

An approach to clinical magnetocardiology. *I. Awano, A. Muramoto and N. Awano* 367

A study on the dissolution and disintegration of calcium bilirubinate stones, with special reference to effects of litholytic agents in human bile and to irrigation of bile duct in dogs. *Y. Takasawa, N. Suzuki, W. Takahashi and T. Sato* 383

Effect of insulin on the lysosomal function of rat aortic smooth muscle cells and subcutaneous fibroblasts in tissue culture. *S. Oikawa, Y. Maruhama, R. Abe and Y. Goto* 397

Nephritic factor (NeF) of alternate pathway (NeFA) and of classical pathway (NeFc). *M. Arakawa, J. Seino, Y. Kinoshita, K. Fukuda, T. Saito and T. Furuyama* 401

1,25-Dihydroxyvitamin D production stimulated by dibutyryl 3′,5′-cyclic AMP in normal subjects and a patient with pseudohypoparathyroidism. *H. Unakami, Y. Furukawa, H.E. Sohn, S. Yumita, R. Miura, A. Sasaki, M. Kokubun, Y. Miura, K. Yoshinaga and C. Nakanome* 411

Apoprotein B-poor very low density lipoprotein in diabetic patients without hyperlipoproteinemia. *Y. Maruhama, F. Saito, I. Hikichi, T. Hashimoto, K. Takahashi and I. Kaito* 419

Analysis of insulin secretion based on changes in plasma insulin and C-peptide in man. *T. Sakai, A. Ohneda, J. Nihei and T. Kobayashi* 427

Short Reports

Fibronectin in human hepatocellular carcinoma. *M. Isemura, Z. Yosizawa, N. Kojima and F. Ichida* 441

Effects of aging and smoking on the cadmium levels in the blood of inhabitants in non-polluted areas. *T. Watanabe, A. Koizumi, H. Fujita, H. Fujimoto, A. Ishimori and M. Ikeda* 443

Antitumor effect of 1α-hydroxyvitamin D_3. *T. Sato, K. Takusagawa, N. Asoo and K. Konno* 445